

-1 INSTALLATION

REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
A	5/28/19	INITIAL RELEASE	ZA	LS	ZA
B	7/10/19	NOTE 11: NOW REPLACING CLIP AND SCREW WITH TY; NOTE 13 ADDED; ITEM 19 WAS SCREW, NOW ZIP TIE; ITEM 12 REMOVED, ITEM 21 ADDED;	ZA	LS	ZA
C	9/12/19	ITEMS 13, 20, 21 ADDED "(PAINTED FLAT BLACK)" TO BOM DESCRIPTION	ZA	LS	ZA
D	1/15/20	SHT 5, SECTION AA-AA: REMOVED INCORRECT "REF" ON BALLOON CALLOUTS, CHANGED 2X ITEM 15 TO 2X ITEM 22 P/N CCR264SS3-02 FOR CORRECT SIZING; BOM ITEM 1 ADDED CR7771S05-02 AS ALT, ITEM 15 CHANGED TO CCR264SS3-03 FOR CORRECT P/N	ZA	LS	ZA

NOTES:

1. TORQUE ALL FASTENERS PER BHT-ALL-SPM CHAPTER 2 UNLESS OTHERWISE SPECIFIED

2. INSTALL RIVETS PER BHT-ALL-SRM CHAP. 3 §3-3-1 THRU 3-3-4. WET INSTALL RIVETS WITH PRIMER PER MIL-PRF-23377J TYPE I, CLASS N

3. FOLLOW SURFACE PREPARATION AND FINISHING PROCEDURES IN BHT-ELEC-SPM CHAPTER 8 FOR ALUMINUM SURFACES. ALL ELECTRICAL BONDING AND GROUNDING IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 8-2 CLASS S.

4. ALIGN INSTALLATION BEFORE MATCH DRILLING RIVET HOLES

5. EQUIPMENT NOT PROVIDED IN KIT. INSTALLER TO PROCURE GLARE SHIELD DIRECTLY FROM AERONAUTICAL ACCESSORIES.

6. TEST BONDED RESISTANCE BETWEEN PARTS IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 8-2 CLASS R - I (2.5 MILLIOHMS).

7. AFTER INSTALLATION, COAT ALL VISIBLE FASTENER HEADS AND ANY METAL SURFACES OF THE AIR CONDITIONING SYSTEM LOCATED IN THE COCKPIT AREA WITH ONE LAYER OF FLAT BLACK FINISH PER MIL-PRF-85285 TYPE 1 CLASS H, COLOR 37038 BLACK.

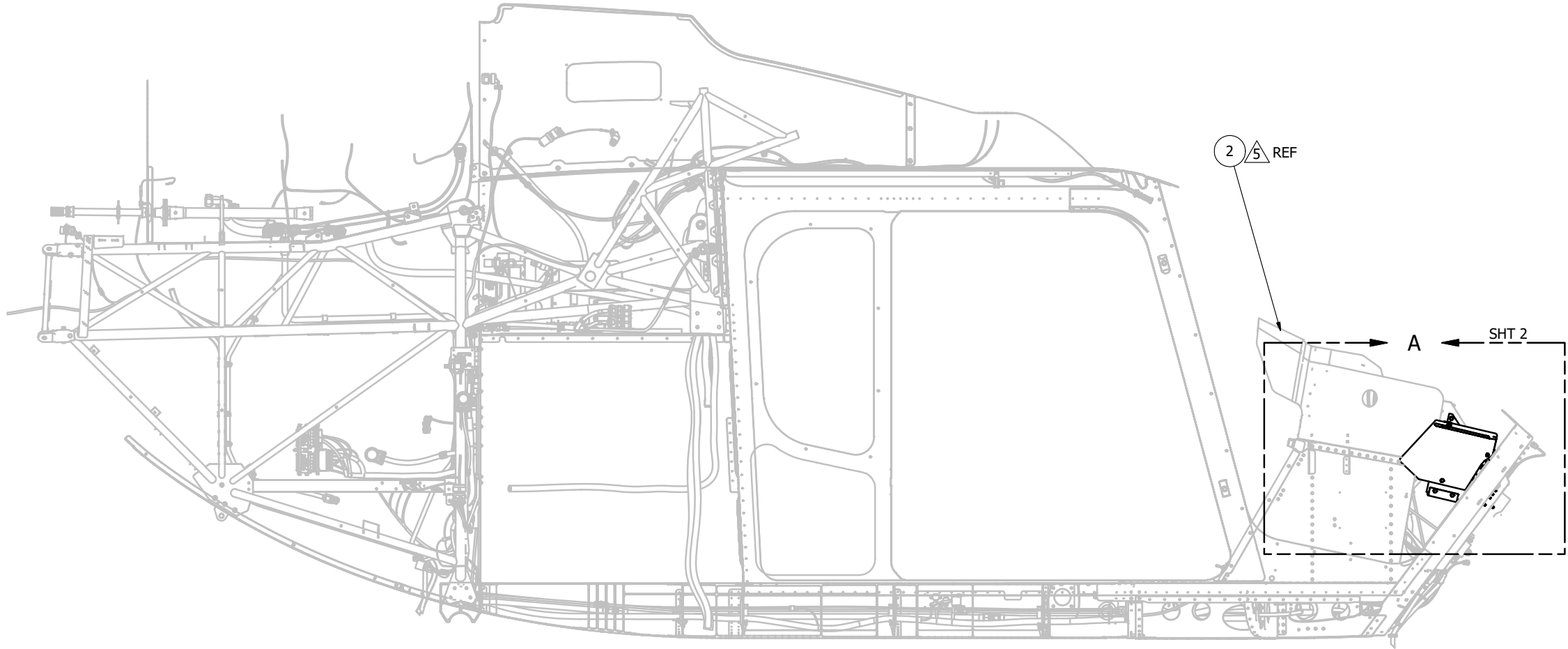
8. SEAL MATING SURFACES W/ PEMATEX BLACK RTV #16B OR EQUIV.

9. PROVIDED AS PART OF 505AC-440-5 INSTALLATION. IF NOT PRESENT, MATCH DRILL 1X Ø.201 & 2X Ø.098 √ Ø.179
10. REMOVE EXISTING NUT PLATE (P/N 130008) AND SCREW (P/N MS27039-0807) FROM 505AC-440 INSTALLATION. REPLACE WITH ITEM ZIP TIE IN SAME LOCATION

11. ACCEPTABLE TO USE BLACK CORK TAPE ON RETURN LINE ELBOW TO PREVENT CONDENSATION FROM FORMING

12. ENSURE RH FWD EVAPORATOR EXPANSION VALVE DOES NOT TOUCH EXISTING DEFROST TUBE

13. ACCEPTABLE TO USE EXTRA NAS1149F0363P WASHERS (ITEM #21) TO PREVENT FOWLING CONDITION WITH TUBE ELBOW



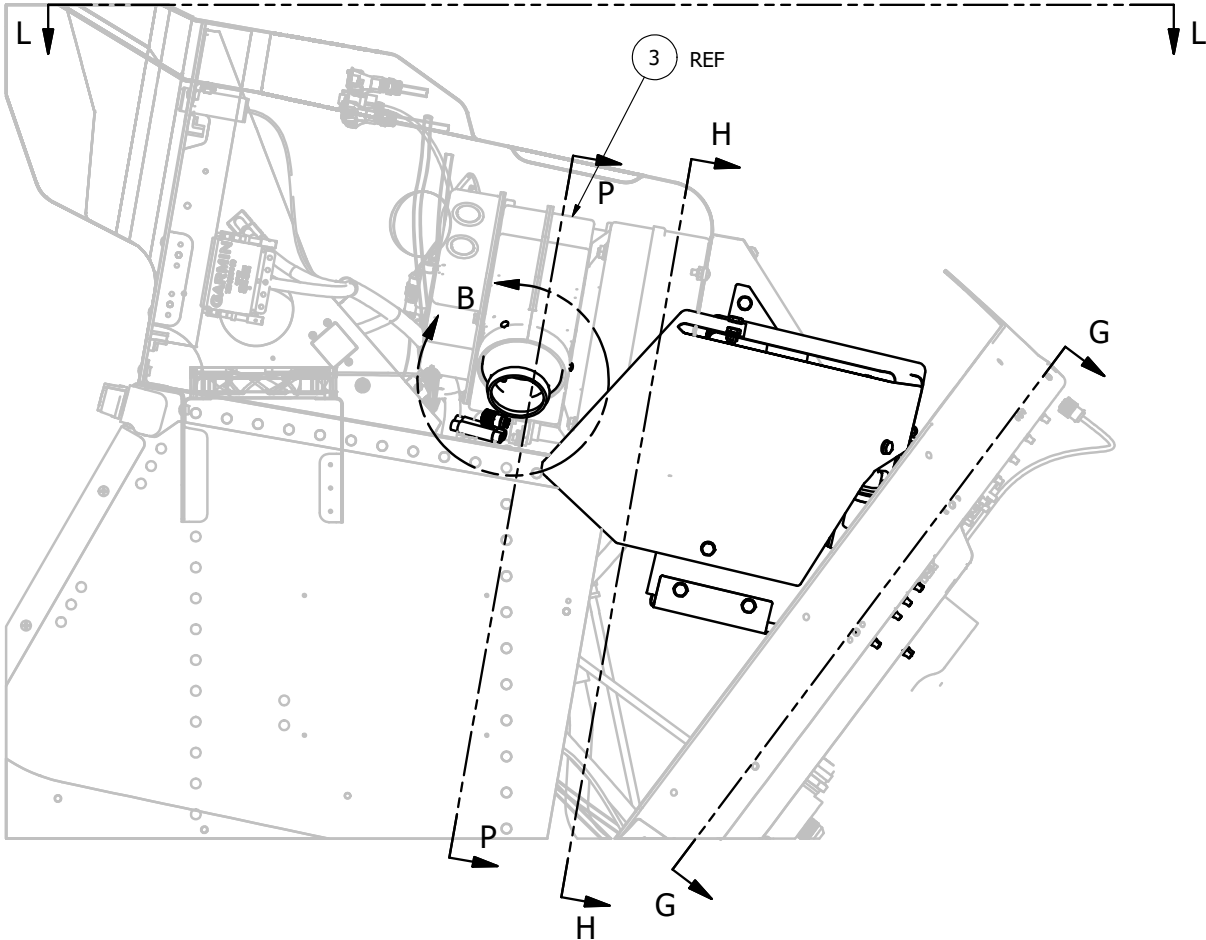
SIDE VIEW
-----> FWD

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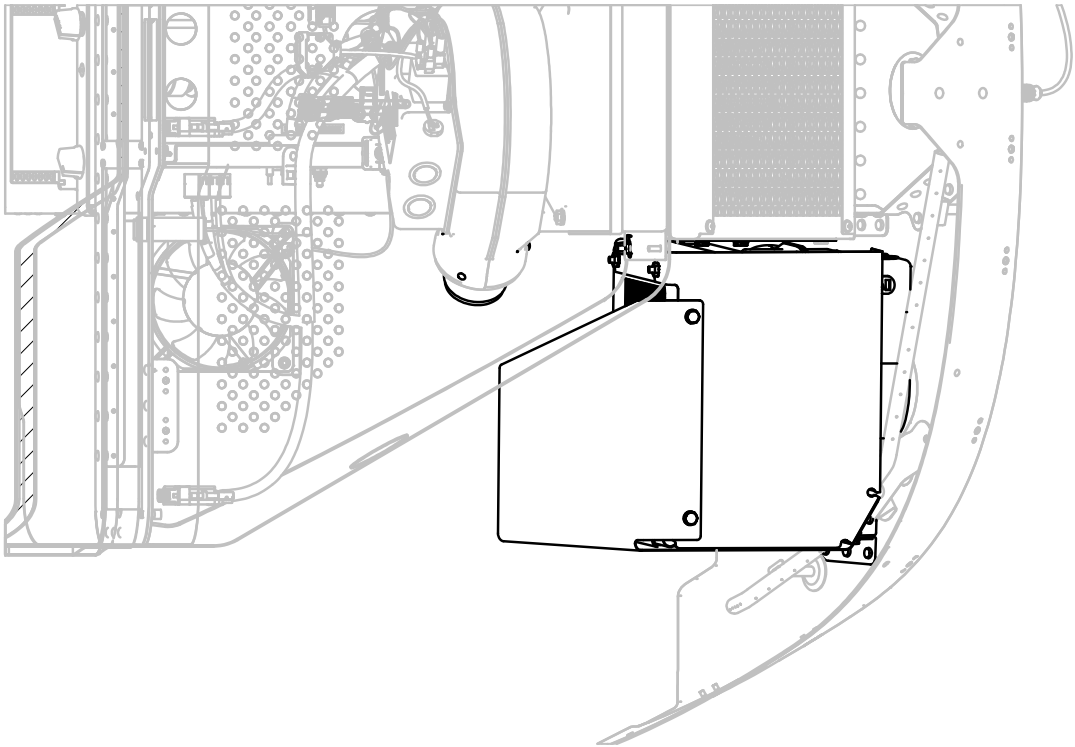
PROTO

Paravion® Inc. Technology		TITLE				DRAWING NUMBER	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES=± 1°		RH FWD EVAPORATOR				505AC-443	
		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
		ZA			7/30/18	D	
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		3RD ANGLE PROJECTION		DO NOT SCALE DRAWING © 2020 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 1 OF 6	

DETAIL A
SIDE VIEW OF RH FWD EVAPORATOR
GLARESHIELD REMOVED FOR CLARITY



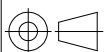
VIEW L-L
TOP VIEW OF RH FWD EVAPORATOR



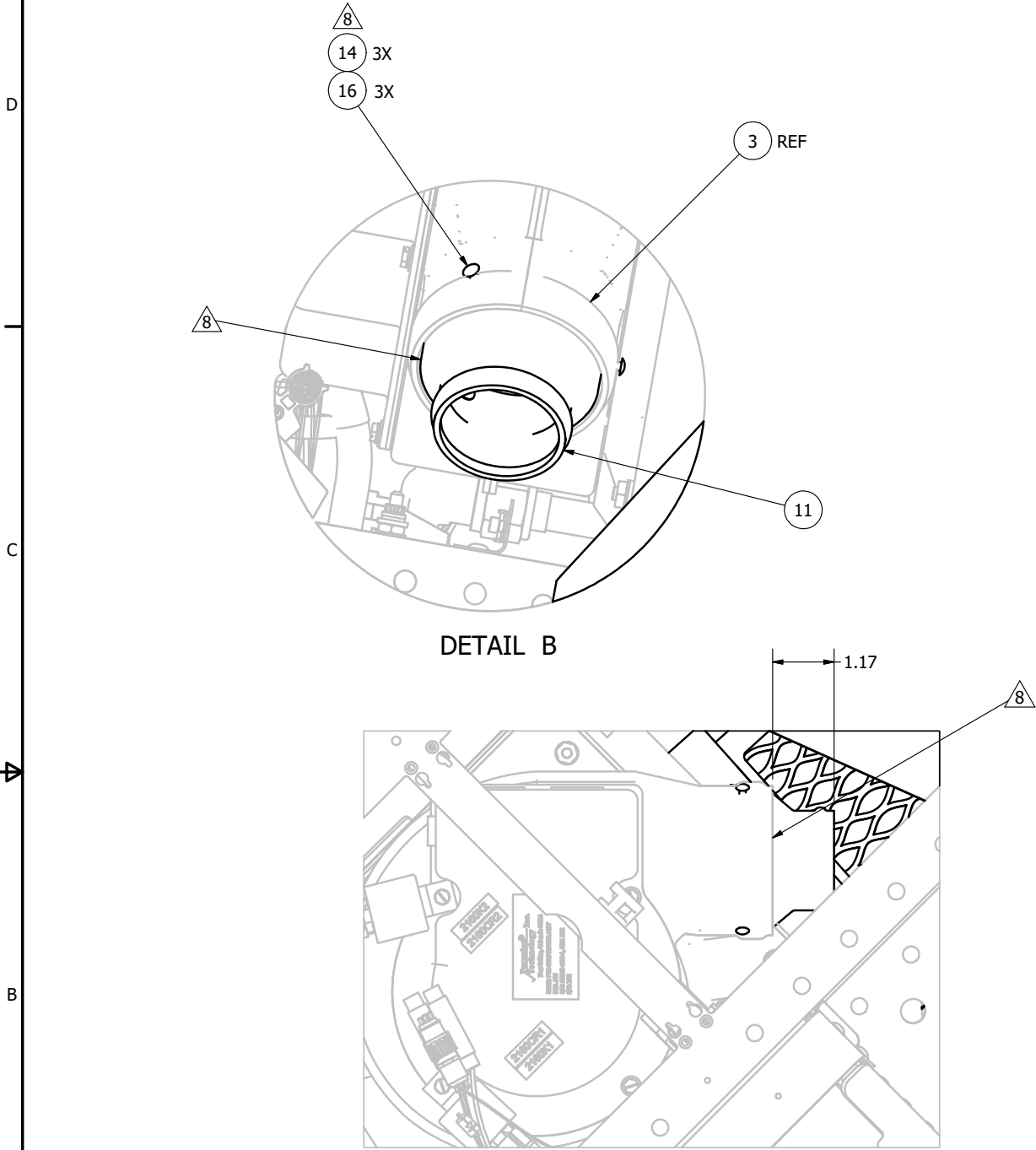
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	DRAWN BY ZA	CHK'D BY	APRVD. BY	DATE 7/30/18	REV D	ECO
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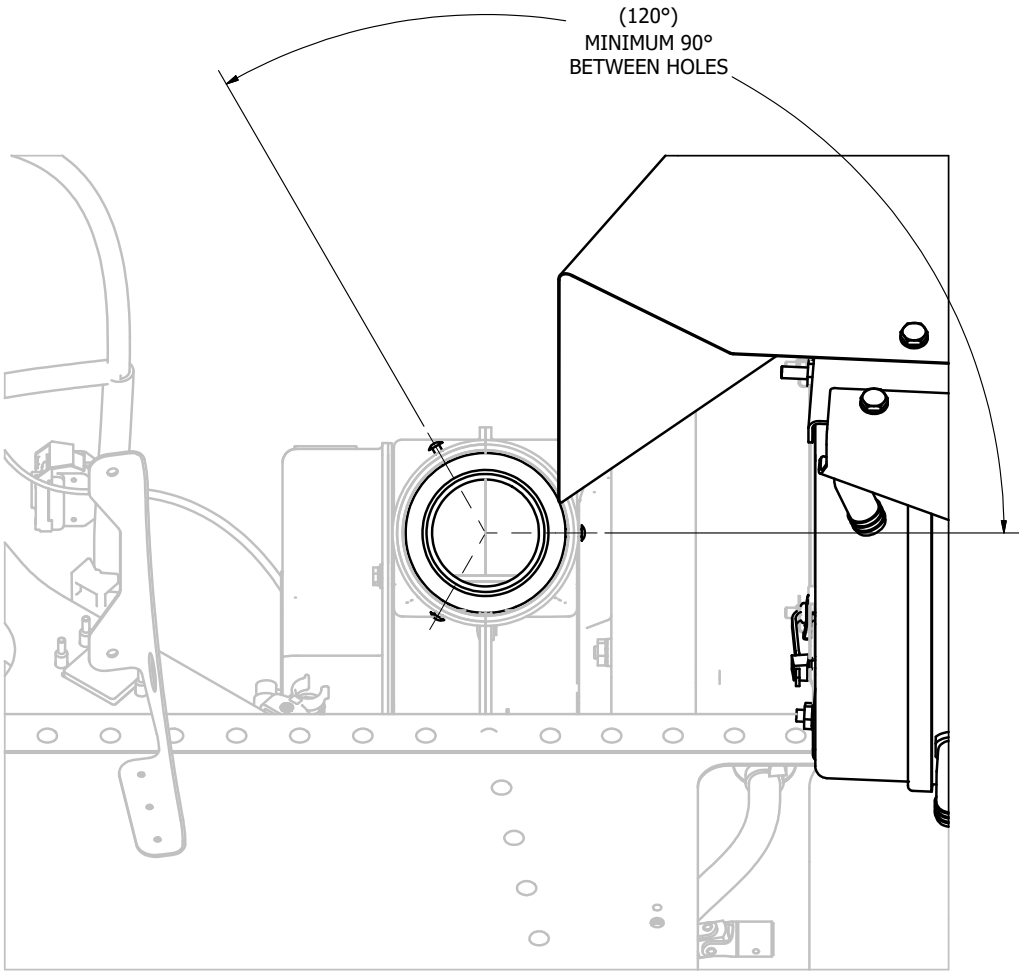
3RD ANGLE
PROJECTION



EXISTING 505AC-4400-11 AIR OUTLET VIEW

505AC-4400-1 MODIFICATION

REMOVE 505AC-524 OUTLET DUCT AND TY STRAP BEFORE ATTACHING 505AC-4403-51 REDUCER



EXISTING 505AC-4400-11 AIR OUTLET VIEW

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RH FWD EVAPORATOR

DRAWN
BY
ZA

CHK'D
BY

APRVD.
BY

DATE
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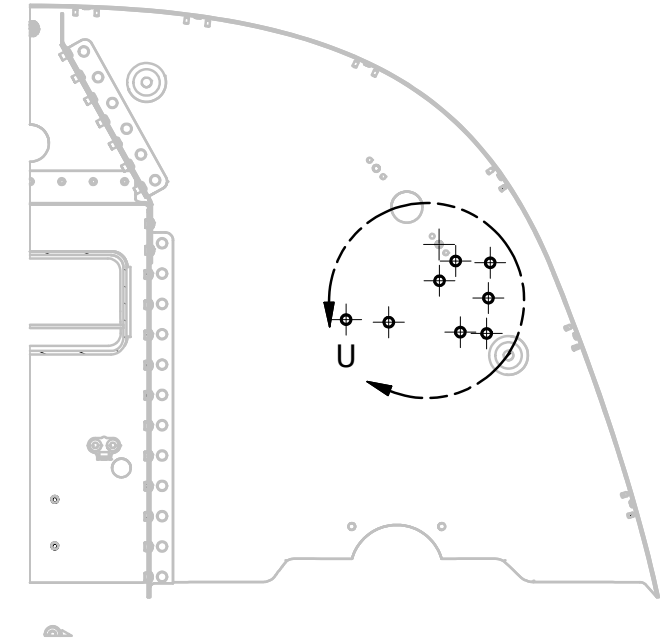
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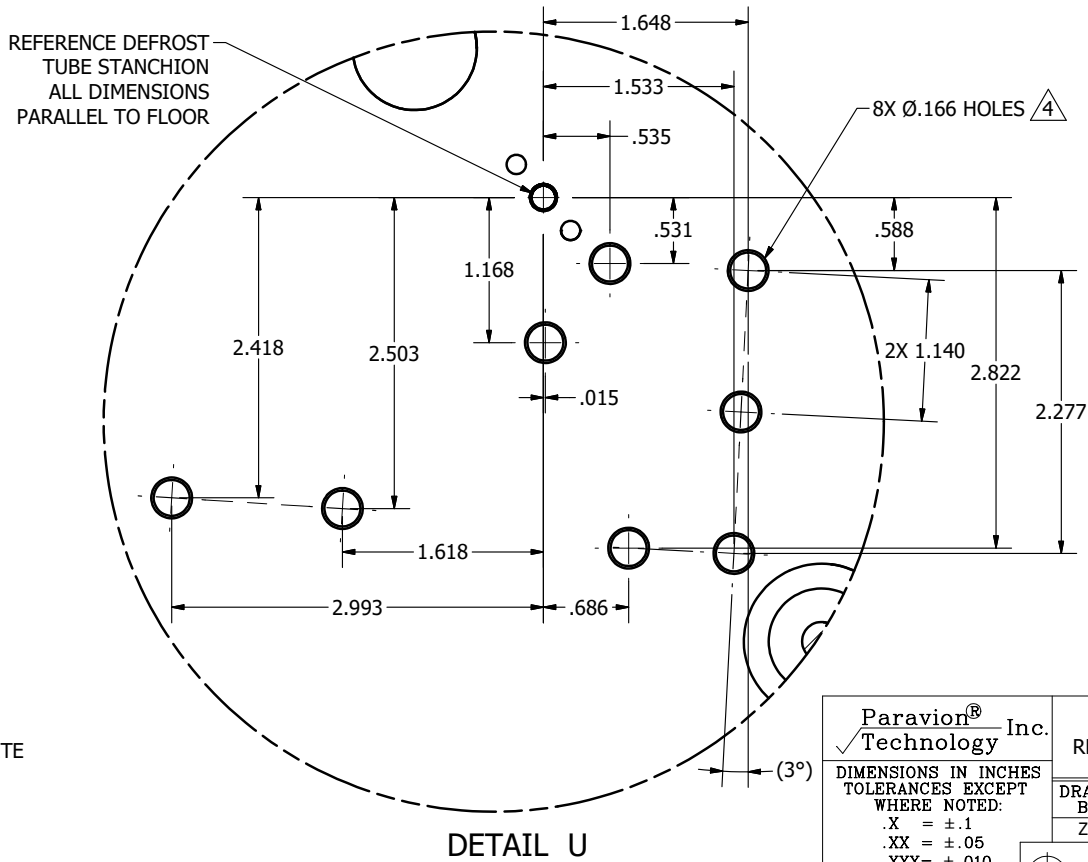
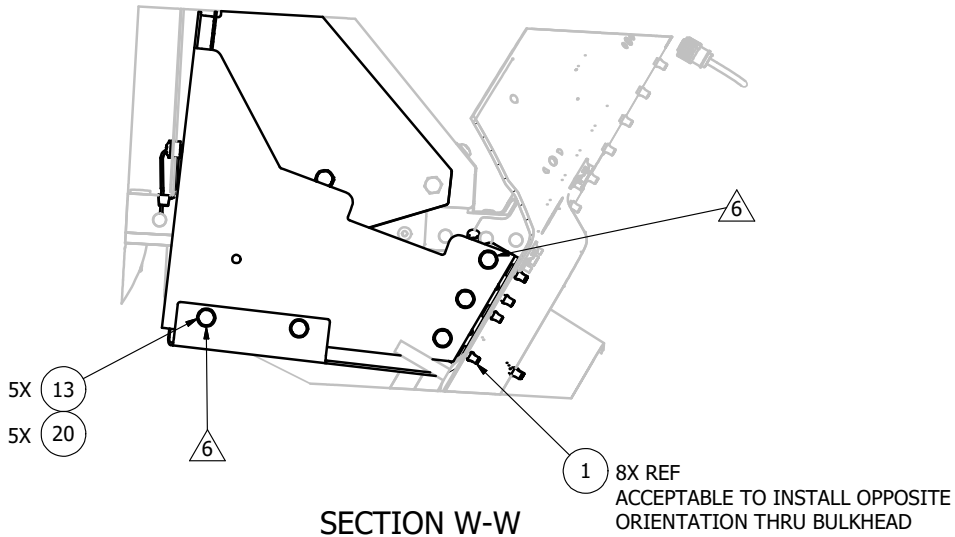
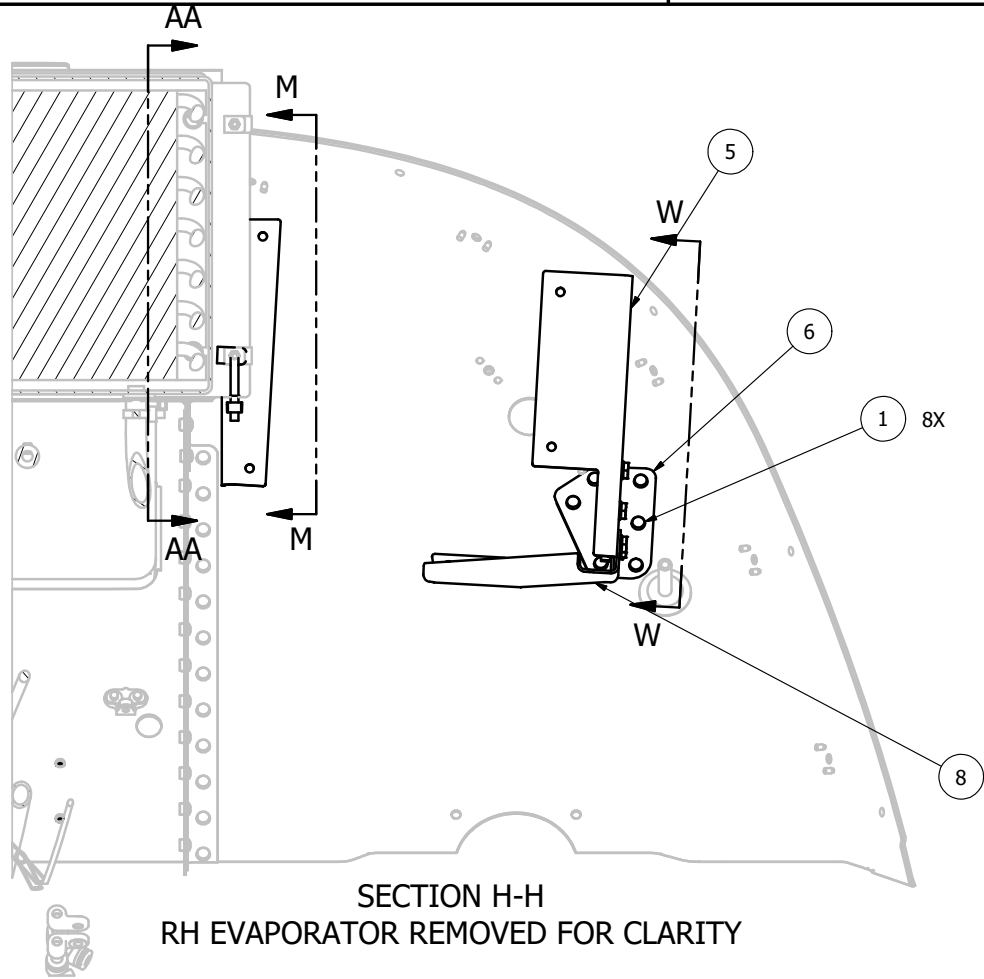
SHEET
3 OF 6

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SECTION G-G
BRACKETS AND EVAPORATOR REMOVED FOR CLARITY



SECTION H-H
RH EVAPORATOR REMOVED FOR CLARITY



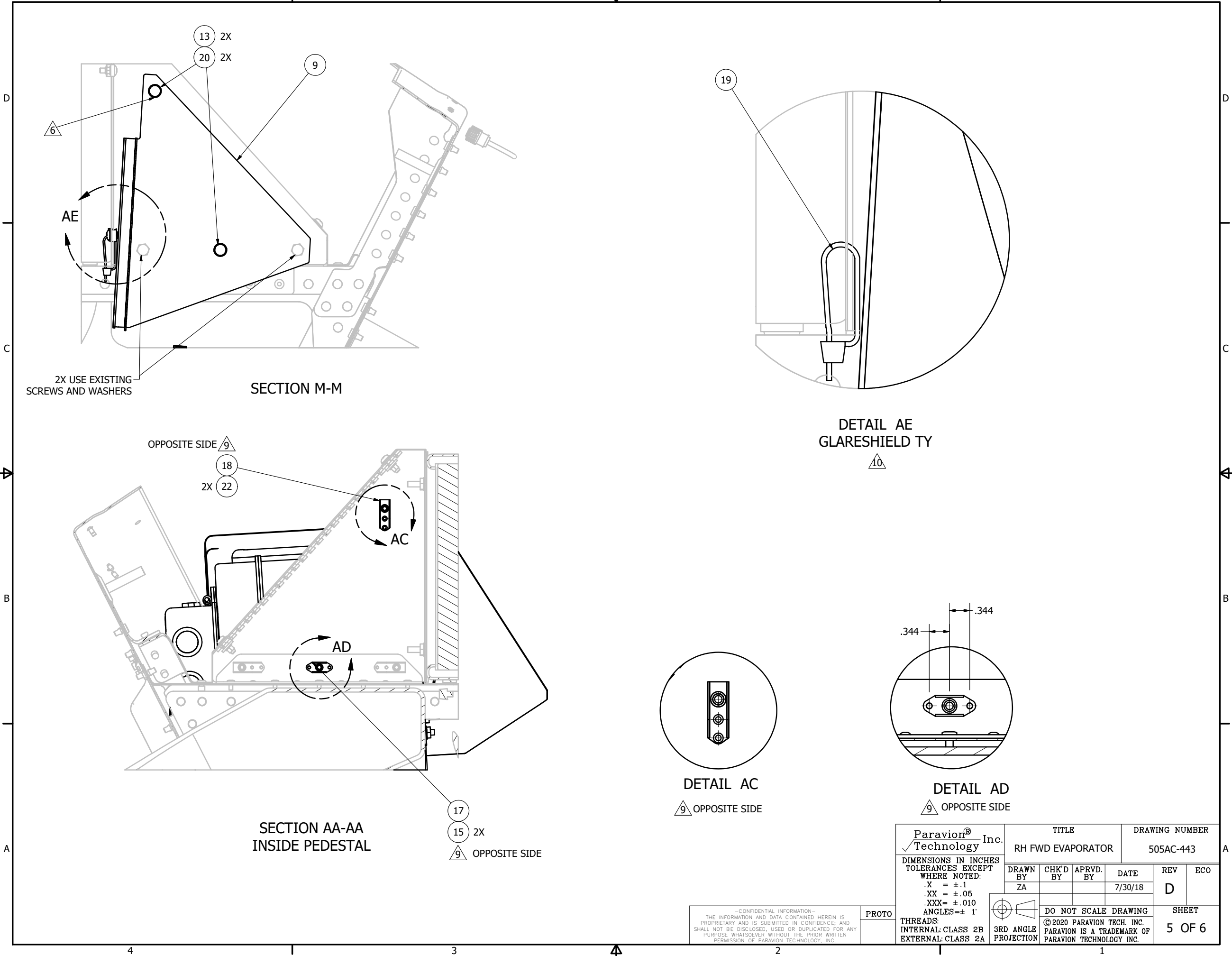
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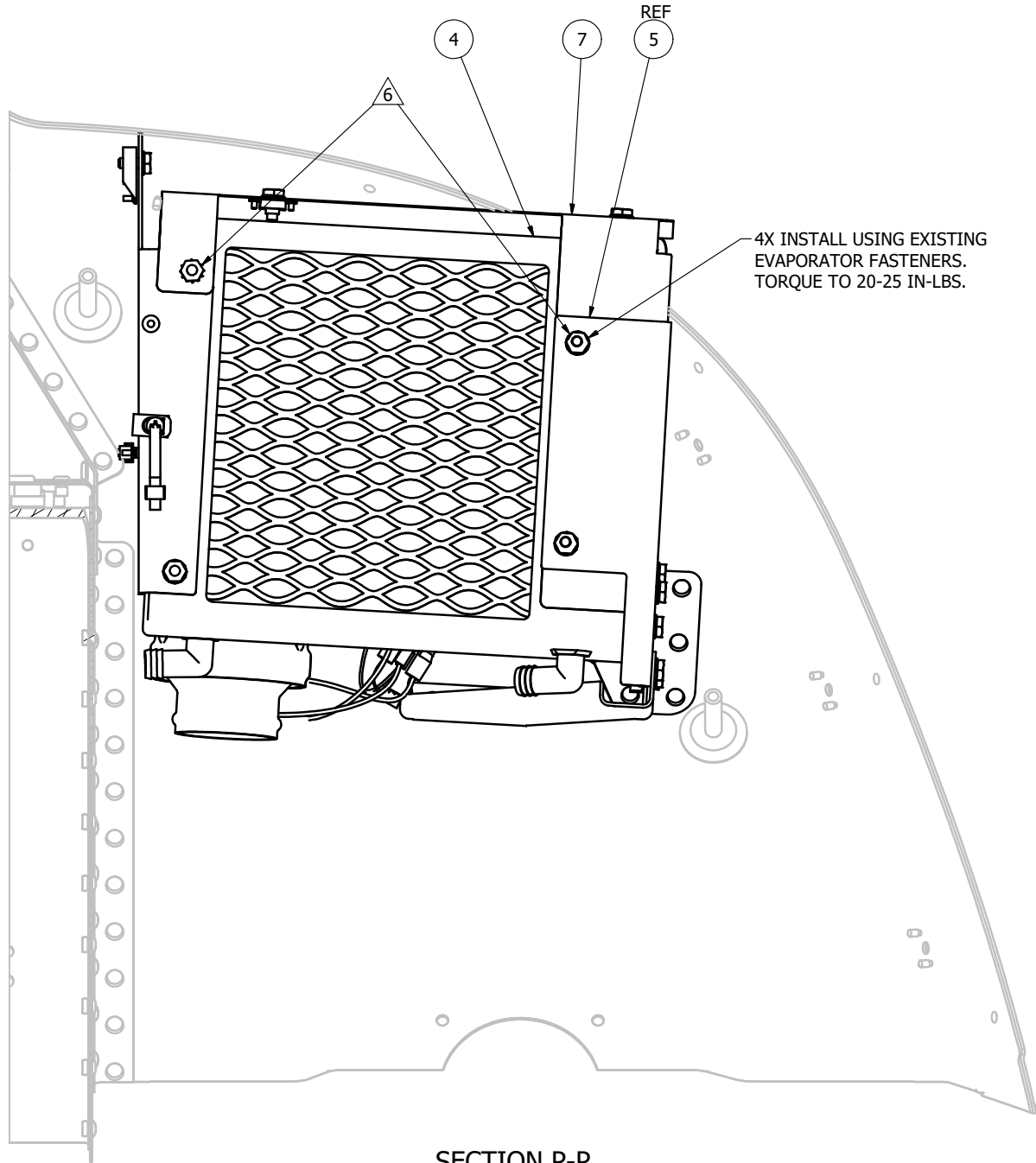


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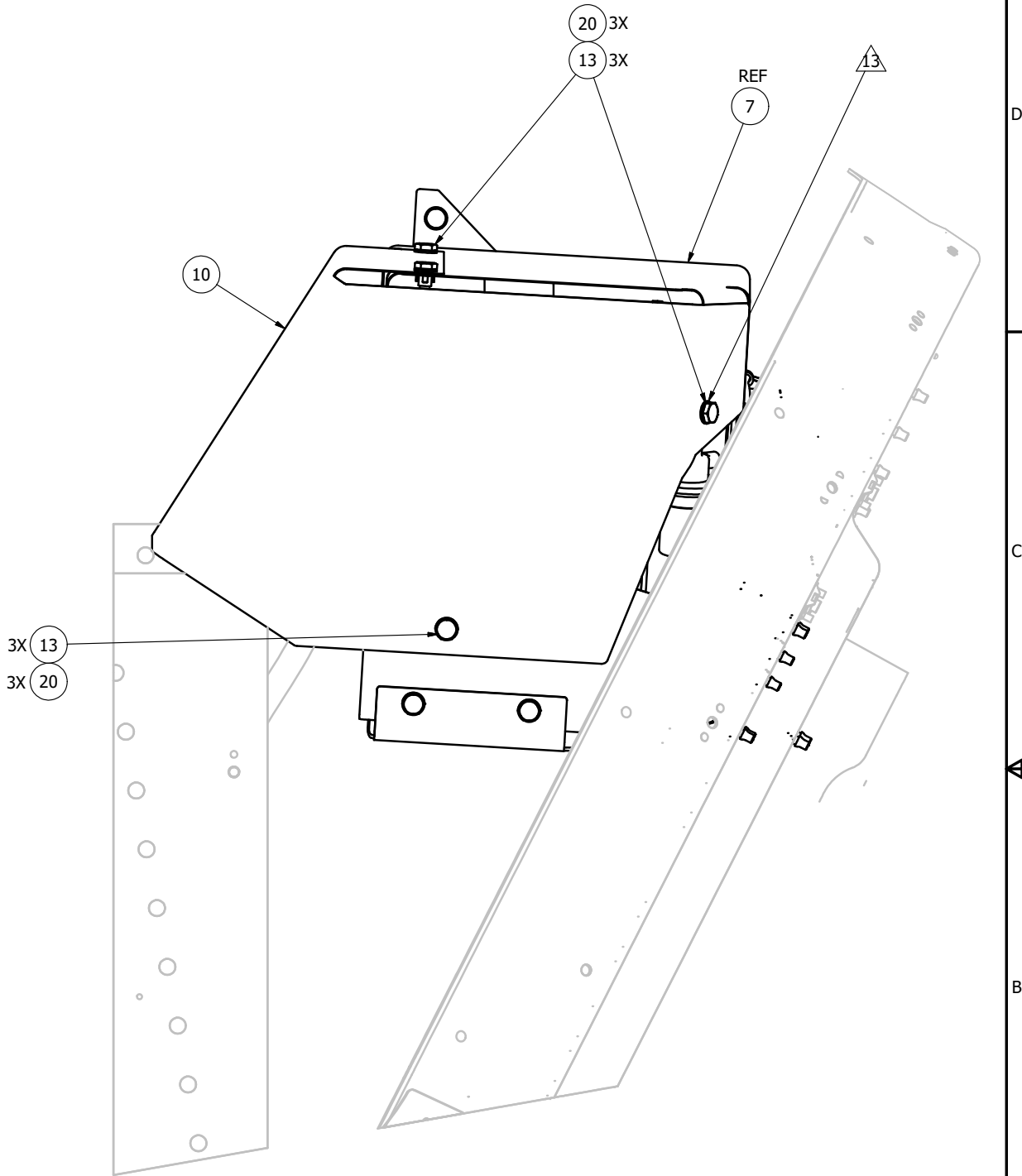
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D
C
B
A



SECTION P-P



D
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		3RD ANGLE PROJECTION		SHEET 6 OF 6	

Bill of Materials

*505AC-443-1, REV. D

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-443-1, REV. D	EVAPORATOR PARTS INSTALLATION	1	KIT
1	110-223-05-02	BLIND RIVET (ALT: CR7771S05-02)	8	EA
2	505-024-105	BELL GLARE SHIELD (REF)	1	EA
3	505AC-4400-1	LH FWD EVAPORATOR ASSEMBLY (REF)	1	EA
4	505AC-4403-1	RH FWD EVAP ASSEMBLY	1	EA
5	505AC-4403-6	BULKHEAD SUPPORT ASSEMBLY	1	EA
6	505AC-4403-7	BULKHEAD BRACKET ASSEMBLY	1	EA
7	505AC-4403-8	SHROUD TOP ASSEMBLY	1	EA
8	505AC-4403-12	INSIDE BULKHEAD SUPPORT	1	EA
9	505AC-4403-13	PEDESTAL SUPPORT	1	EA
10	505AC-4403-14	EVAP SHROUD BOTTOM	1	EA
11	505AC-4403-21	REDUCER	1	EA
13	AN3-3A	BOLT (PAINTED FLAT BLACK)	11	EA
14	NAS1149DN432J	WASHER	3	EA
15	CCR264SS3-03	RIVET(ALT: MS20426AD3-3)	2	EA
16	CR9163-4-05	BLIND RIVET	3	EA
17	MS21059L3	NUT PLATE FLOATING (REF)	1	EA
18	MS21061L3	NUT PLATE ONE LEG FLOATING (REF)	1	EA
19	MS3367-2-0	ZIP TIE	1	EA
20	NAS1149F0332P	WASHER (PAINTED FLAT BLACK)	11	EA
21	NAS1149F0363P	WASHER (PAINTED FLAT BLACK)	2	EA
22	CCR264SS3-02	RIVET (ALT: MS20426AD3-02)	2	EA